

# Regional Truck Model Update

*Model Task Force Meeting 1/25/06*

## Truck Model Objectives

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- Expand Modeling Area
- Update SED, Land Use, Employment Assumptions
- Update Trip Generation and Distribution
- Improve Forecast of Intermediate Trips (Warehouse)
- Update/Improve Forecast of External/Port Trips
- Research PCE Assumptions

## Overview of Existing SCAG HDT Model

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- Three truck weight classes – Correspond to trip purposes
- Internal model – Trip rates by land use and gravity model
- External model – Commodity flows converted to truck trips and disaggregated to TAZs
- Special generator models – Ports and air cargo truck trips
- Limited travel survey data

## Project Work Tasks

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- Review Current Model
- Obtain Data for Internal Model - Survey Plan
- Obtain Data for External Model
- Improve External Model
- Improve Internal Trip Generation and Distribution Model
- Improve Port Trip Estimation and Distribution Model
- Improve Travel Assignment Methodology
- Model Validation
- Forecast Future Trucks
- Model Documentation and User's Guide

## External Model

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- Improvements to warehouse flow representation
- Update data sources
- Code procedures in TransCAD

## Special Generator Models

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- Port – LA/LB
  - Trip generation based on port QuickTrip model and current cargo forecasts
  - Trip distribution – Fixed O-D matrix from summer gate surveys
- Rail intermodal
  - Trip tables based on carrier and shipper surveys for LA Metro Cube Cargo model

## Truck Travel Survey - Status

- Additional \$134,000 funds – Contract Amendment
  - More Survey Samples
  - GPS Survey
  - Additional Truck Counts
- Survey Plan - Target vs. Guaranteed Sample
- DMV Address Data – Ad-Hoc Agreement

## Schedule

